

# Declaration and Power of Attorney United States Patent Application

UNITED STATES  
Patents and Design Patents  
Sole & Joint Inventors  
Convention & Non-convention  
PCT & Non-PCT  
This form cannot be amended, altered  
or changed after it is signed.  
(For use only for inventors who  
understand the English language.)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **A METHOD FOR CATALYTIC CONVERSION OF CARBON MONOXIDE IN A HYDROGEN-CONTAINING GAS MIXTURE**

(check one) ☒ is attached hereto.

☐ was filed as U.S. Application No. \_\_\_\_\_ on \_\_\_\_\_ and (if applicable) was amended on \_\_\_\_\_

☐ was filed as PCT International Application No. \_\_\_\_\_ on \_\_\_\_\_ and (if applicable) was amended under PCT Article 19 on \_\_\_\_\_

(I authorize any attorney appointed below to insert information in the preceding blanks.)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign and PCT application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America listed in this Declaration.

I have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application(s) on which priority is claimed:

Foreign/PCT Application No.	Country	Filing Date	Priority Claimed? (yes/no)
100 13 895.0	Germany	21/March/2000	yes

I hereby claim the benefit under Title 35, United States Code, §120 or §365(c) of any United States application and PCT international application designating the United States of America listed in this Declaration and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Application No.	Filing Date	Status (patented/pending/abandoned?)

I hereby claim priority benefits under Title 35 United States Code §119(e) of any U.S. provisional application(s) listed below:

U.S. Provisional Application No.	Filing Date

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Robert G. Weilacher (20,531), Herbert M. Hanegan (25,682), J. Rodgers Lunsford, III (29,405), Michael A. Makuch (32,263), Dennis C. Rodgers (32,936), William F. Rauchholz (34,701), Michael C. Carrier (42,391), Eric J. Hanson (44,738), Patrick R. Delaney (45,338), Donna D. King (45,962) and Joseph M. Lewinski (46,383).

Send all correspondence to: Smith, Gambrell & Russell, LLP, Beveridge, DeGrandi, Weilacher & Young Intellectual Property Group, 1850 M Street, N.W. (Suite 800), Washington, D.C. 20036. All facsimiles may be sent to (202) 659-1462. Direct all phone calls to (202) 659-2811.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Frank Baumann

Citizenship: German

Residence (city, state, country): D-63755 Alzenau, Germany

Post office address: Rubensstrasse 3, D-63755 Alzenau, Germany

Signature: Frank Baumann

Date: 05/25/2000

Full name of second joint inventor, if any: Stefan Wieland

Citizenship: German

Residence (city, state, country): D-63069 Offenbach, Germany

Post office address: Starkenburgering 27, D-63069 Offenbach, Germany

Signature: Stefan Wieland

Date: 06/16/2000

☐ Additional inventors and/or prior applications are listed in attached Supplemental Sheet(s).

SGR/BDWY 199



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OCTOBER 04, 2000

PTAS

SMITH, GAMBRELL & RUSSELL, LLP  
BEVERIDGE, DEGRANDI, WEILACHER & YOUNG  
INTELLECTUAL PROPERTY GROUP  
SUITE 800, 1850 M STREET N.W.,  
WASHINGTON, D.C. 20036

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/14/2000

REEL/FRAME: 011002/0181  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAUMANN, FRANK

DOC DATE: 05/25/2000

ASSIGNOR:

WIELAND, STEFAN

DOC DATE: 06/16/2000

ASSIGNEE:

DMC2 DEGUSSA METALS CATALYSTS  
CERDEC AG  
WEISSFRAUENSTRASSE 9  
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60311

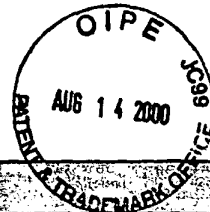
SERIAL NUMBER: 09568814  
PATENT NUMBER:

FILING DATE: 05/11/2000  
ISSUE DATE:

011002/0181 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
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08-21-2000



RECORDATION CG

101437915

ASSIGNMENTS

T the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copies thereof.

1. Name(s) of Conveying Party(ies): Frank Baumann and Stefan Wieland

*Handwritten signature*  
8.14.00

2. Name(s) and Address(es) of Receiving Party(ies): dmc<sup>2</sup> Degussa Metals  
Catalysts Cerdec AG, Weissfrauenstrasse 9, 60311 Frankfurt am Main 1,  
Federal Republic of Germany

3. Nature of Conveyance: Assignment

Execution Date: 5/25/00 and 6/16/00

4A. Patent Application No.(s): 09/568,814

Application Execution Date: 5/25/00 and  
6/16/00

4B. Patent No.(s):

5. Name and Address of Party to Whom Correspondence Regarding This Document Should Be Mailed:

Smith, Gambrell & Russell, LLP  
Beveridge, DeGrandi, Weilacher & Young, Intellectual Property Group  
Suite 800, 1850 M Street N.W., Washington, D.C. 20036  
(202) 659-2811

Attorney Docket No.: 033766W005

6. Total Number of Applications and Patents involved: 1

7. Total Fee: \$40.00

(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit Account No.: 02-4300

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9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

*Handwritten signature*  
Robert G. Weilacher, Registration No. 20531

8/14/2000  
Date

Total Number of Pages (including cover sheet):

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## A S S I G N M E N T

WHEREAS the undersigned (hereinafter "ASSIGNOR") have invented certain new and useful improvements in

A METHOD FOR CATALYTIC CONVERSION OF CARBON MONOXIDE IN A  
HYDROGEN-CONTAINING GAS MIXTURE

for which an application for United States Letters Patent was executed concurrently herewith unless otherwise indicated and claims the benefit of German priority application 100 13 895.0 filed March 21, 2000

WHEREAS, dmc<sup>2</sup> Degussa Metals Catalysts Cerdec AG  
Weissfrauenstrasse 9,  
60311 Frankfurt am Main 1,  
Federal Republic of Germany

a German Corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in view of good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent, which may be granted therefore in the United States, and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

Said ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

Further, the ASSIGNOR agrees to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR authorizes any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

IN TESTIMONY WHEREOF, we have hereunto set our hands

Signatures

Dates

In the Presence of:

Frank Baumann 05/25/2020 M. M. R. P. H.

Frank Baumann

Stefan Wieland 06/16/2020 M. M. R. P. H.

Stefan Wieland

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Smith, Gambrell & Russell, LLP  
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1850 M Street, N.W.  
Washington, D.C. 20036

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**ASSOCIATE POWER OF ATTORNEY**

SIR:

The undersigned agent, being an Agent of Record for the referenced patent applications and issued patents in attached appendix A, hereby appoints David A. Kalow, Reg. No. 29,397; Milton Springut, Reg. No. 27,721; John J. Santalone, Reg. No. 32,794; J. David Ellett, Jr., Reg. No. 27,875; Gary Molnar, Reg. No. 30,299; Scott D. Locke, Reg. No. 44,877; William D. Schmidt, Reg. No. 39,492; Tor E. Smeland, Reg. No. 43,131; and Sylvia Chiou, Reg. No. 47,324, each of them c/o KALOW & SPRINGUT LLP, 488 Madison Avenue, 19th Floor, New York, NY, 10022, as Associate Attorneys with full power of substitution and revocation, to prosecute these patents and patent applications listed in attached appendix A, to make amendments and alterations therein, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please address all future communications to:

David A. Kalow  
Kalow & Springut LLP  
488 Madison Avenue, 19th Floor  
New York, NY, 10022  
(212) 813-1600  
Fax: (212) 813-9600

Date

January 25, 2002

by

Respectfully submitted,



Robert G. Wellacher  
Registration No. 20,531  
Agent for Applicant



## Appendix A

Serial No.	Patent No.	Inventors	Title	Date Filed	Date Issued
09/852151			Honeycomb body of ceramic material with improved radial compressive strength		
09/844677			Gas distribution structures and gas diffusion electrodes for polymer electrolyte fuel cells		
09/813933			Method for the partial coating of a supporting body	03/22/01	
09/566981			Method for catalytic conversion of carbon monoxide in a gas mixture containing hydrogen, with improved cold start behavior and catalyser for same	05/09/00	
09/850410			Method for the removal of nitrogen oxides and soot particles from lean exhaust gas of a combustion engine and emission control system for same		
09/838119			Method and catalytic converter for reduction on nitrogen oxides		
09/878174			Process for manufacturing plates and expanded metal grids from refractory metals coated on one side with platinum		
60/213246			Process for manufacturing plates and expanded metal grids from refractory metals coated on one side with platinum		
09/832332			Method for checking the functional serviceability of a nitrogen oxide storage catalytic converter in various temperature ranges	04/11/01	
09/568814			Method for catalytic conversion of carbon monoxide in a gas mixture containing hydrogen	05/11/00	
09/910959			Precious metal-nanoparticle, method for its manufacture and use		
09/832301			Process for the preparation of a vanadia SCR-catalyst supported on titania	04/11/01	
09/853902			Method for autothermal, catalytic vapour-free formation of hydrocarbons	05/20/00	
09/855743			Method for operating an emission control device in a spark-ignition engine		
09/931162			Oxygen-storing material based on cerioxide, method for its manufacture and use		